

Geon™ Vinyl Rigid Extrusion L4794

Rigid Polyvinyl Chloride

PolyOne Corporation

Message:

Geon L4794 is currently recommended for non-horizontal dark color outdoor profile applications only due to limited data. Exhibits comparable processing to previous Geon L1534 and 85885 type products.

General Information			
Features	Good weather resistance		
Uses	Outdoor application		
	Profile		
Appearance	Available colors		
Forms	Cube		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.39	g/cm ³	ASTM D792
PVC Cell Classification	1-22431-33		ASTM D4216
PVC Cell Classification	13334		ASTM D1784
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	77		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	2260	MPa	ASTM D638
Tensile Strength ² (Yield)	43.9	MPa	ASTM D638
Flexural Modulus	2490	MPa	ASTM D790
Flexural Strength	76.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm, Compression Molded)	100	J/m	ASTM D256A
Drop Impact Resistance			ASTM D4226
23°C ³	72.5	J/cm	ASTM D4226
23°C ⁴	> 178	J/cm	ASTM D4226
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, annealed, 3.18mm ⁵	73.1	°C	ASTM D648
0.45 MPa, annealed, 3.18mm ⁶	71.0	°C	ASTM D648
1.8 MPa, annealed ⁷	69.3	°C	ASTM D648
1.8 MPa, annealed, 3.18mm ⁸	69.8	°C	ASTM D648
CLTE - Flow	6.8E-5	cm/cm/°C	ASTM D696
Additional Information	Nominal Value		
Ease of Sizing	Acceptable		

注释:物理属性基于L7005 tan 3210 样品.

Extrusion	Nominal Value	Unit
Melt Temperature	182 - 193	°C
NOTE		
1.	Type 1, 5.1 mm/min	
2.	Type 1, 5.1 mm/min	
3.	Procedure A, C.125 Throwing	
4.	Procedure B, C.125 Throwing	
5.	Annealed at 60 deg.C	
6.	Conditioned at 50 deg.C	
7.	Annealed at 50 deg.C	
8.	Annealed at 60 deg.C	

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